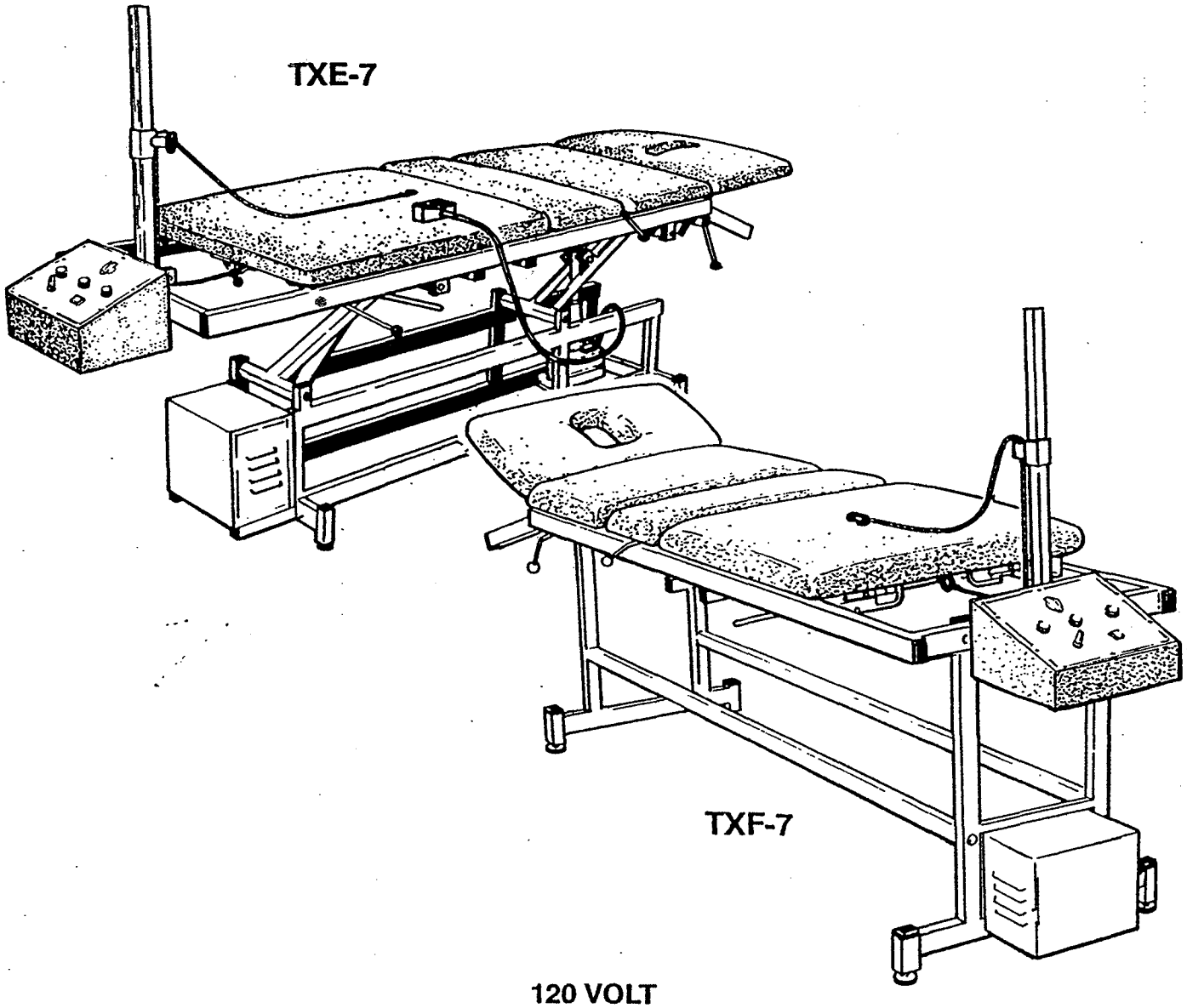
tx® TRACTION UNITS

INSTRUCTIONS FOR USE AND OPERATION OF

TXE-7 and TXF-7 TRACTION TABLES



120 VOLT
220/240 VOLT

P.N.74604 Rev. E 12/92

CHATTANOOGA
GROUP, Inc.

TABLE of CONTENTS

DESCRIPTION ..... PAGE
****

Warranty 2

Foreword and Precautionary Instructions 3

Specifications 4

Installation 5

Adjustments 6-7

Operating Controls 8

Operating Procedures 9

Maintenance and Trouble Shooting 10-11

Calibration 12

Parts Drawing - TXE-7 13

Parts List- TXE-7 14

Parts Drawing - TXF-7 15

Parts List - TXF-7 16

Removal/Replacement of Control Panel 17

Schematics 18-21

Panel Designations ..... Rear Cover

CHATTANOOGA CORPORATION

12 MONTH WARRANTY

Chattanooga Corporation("Company") warrants that the tx® Traction Units, Models TXE-7 and TXF-7("Product"), are free of defects in material and workmanship.

This warranty shall remain in effect for one(1) year from the date of original consumer purchase of this Product and extends to any owner of the Product during the warranty period. If this Product fails to function during the one year warranty period because of a defect in material and workmanship, Company or the selling dealer will replace or repair this Product without charge within a period of 30 days from the date on which the defective Product is returned to the Company or the dealer. Company or the dealer will ship the replacement or the repaired Product to the consumer's residence.

THIS WARRANTY DOES NOT COVER:

1. Replacement parts or labor furnished by anyone other than the Company, the dealer or an approved Company service agent.
2. Defects or damage caused by labor furnished by someone other than Company, the dealer or an approved Company service agent.
3. Any malfunction or failure in the Product while it is in the possession of the owner during the warranty period if the malfunction or failure is not caused by a defect in material and workmanship or if the malfunction or failure is caused by unreasonable use, including the failure to provide reasonable and necessary maintenance.

COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES TO PROPERTY OR BUSINESS.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

TO OBTAIN SERVICE from Company or the selling dealer under this warranty, the owner must do or abide by the following:

1. A written claim must be made within the warranty period to Company or the selling dealer. If the claim is made to the Company, the written claim should be sent to: 4717 Adams Rd./P.O. Box 489, Hixson, TN 37343. Phone: (800)592-7329.
2. The Product must be returned to Company or selling dealer by the owner.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

The Company does not authorize any person or representative to create for it any other obligation or liability in connection with the sale of the Product. Any representation or agreement not contained in the warranty shall be void and of no agreement.

FOREWORD

This manual has been prepared for the owners and operators of the TX® Traction Units, Models TXE-7 and TXF-7. It contains general instructions on operations, precautions, maintenance and parts information. To obtain maximum life and efficiency from your TX® Traction Unit, and to aid in its proper operation, read and understand this manual thoroughly and follow all instructions before operation. The specifications put forth in this manual were in effect at the time of publication. However, owing to Chattanooga Corporation's policy of continuous improvement, changes to these specifications may be made at any time without obligation on the part of Chattanooga Corporation. The unit you have selected may have all or only part of the features shown, depending upon the model of your choice.

PRECAUTIONARY INSTRUCTIONS

1. Read, understand and practice the Precautionary and Operating Instructions found in this manual. Know the limitations and hazards associated with the TX® Traction Unit.

2. **GROUNDING** the TX® Unit: Make certain that the unit is electrically grounded by connecting only to a grounded electrical service receptacle conforming to the applicable national and local electrical codes.

3. **NEVER** place your hands or feet near the operating mechanism when raising or lowering the table(Refers to TXE-7 only).

4. Follow all cautionary instructions indicated on decals located on the units.

5. Federal Law restricts this device to sale by, or on the order of, a physician or licensed practioner.

6. **DO NOT** attempt to raise or lower table while administering traction.

7. **NEVER** change the angle of a section when patients weight is on that section.

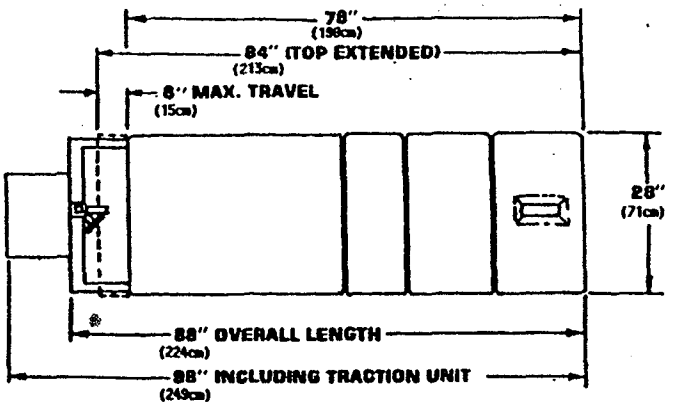
8. **DO NOT USE IN THE PRESENCE OF FLAMMABLE ANESTHETICS.**

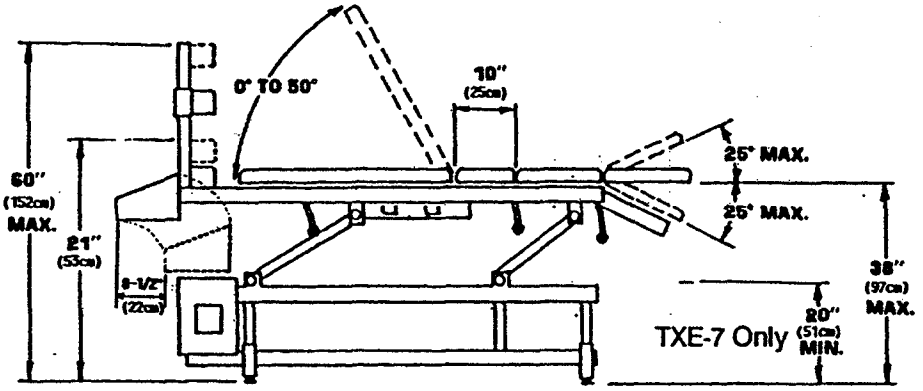
9. **ALWAYS** use both hands when changing the angle of the head section.

10. **ALWAYS** tighten hand adjustment knobs securely to avoid slipping.

SPECIFICATIONS

TXE-7 & TXF-7





NOTE: LUMBAR SECTION MAY BE RELEASED FOR A MAXIMUM 6"(15cm) TRAVEL.

TECHNICAL:

	TXE-7		TXF-7	
	120 V	220/240 V	120 V	220/240 V
Mains Supply	5 amp	2.5 amp	5 amp	2.5 amp
Frequency - Hz	60	50 - 60	60	50 - 60
FUSES: Mains	5A SloBlo	T2.5A	5A SloBlo	T2.5A
Control Panel	0.3A SloBlo	T300 ma	0.3A SloBlo	T300 ma
Motor	F4A	T1.6A	N/A	N/A
Hanning Motor	KL-88	KL-88	N/A	N/A
Lifting Capacity	350 lbs.	159 Kgs.	N/A	N/A
Traction Capacity - Max.	200 lbs.	90 Kgs.	200 lbs.	90 Kgs.
Traction Controls: All - Analog				
Class/Type (IEC 601-1)	N/A	1B	N/A	1B
Shipping Weight	335 lbs.	152 Kgs.	245 lbs.	111 Kgs.

INSTALLATION

1. Remove all packaging materials.
2. Check the Voltage Rating on the Serial Plate, located on the side of the control box. Plug the unit into the appropriate 120 VAC or 220/240 VAC outlet.
   DO NOT attempt to use DIRECT CURRENT(DC). Follow the procedures indicated in the Precautionary Instructions. **DO NOT** use the unit if it is not properly grounded.
3. For shipping purposes, the Traction unit control panel has been mounted to the inside of the table frame. At set-up, remove traction unit and re-mount to the outside of the frame, referring to Figure 1.

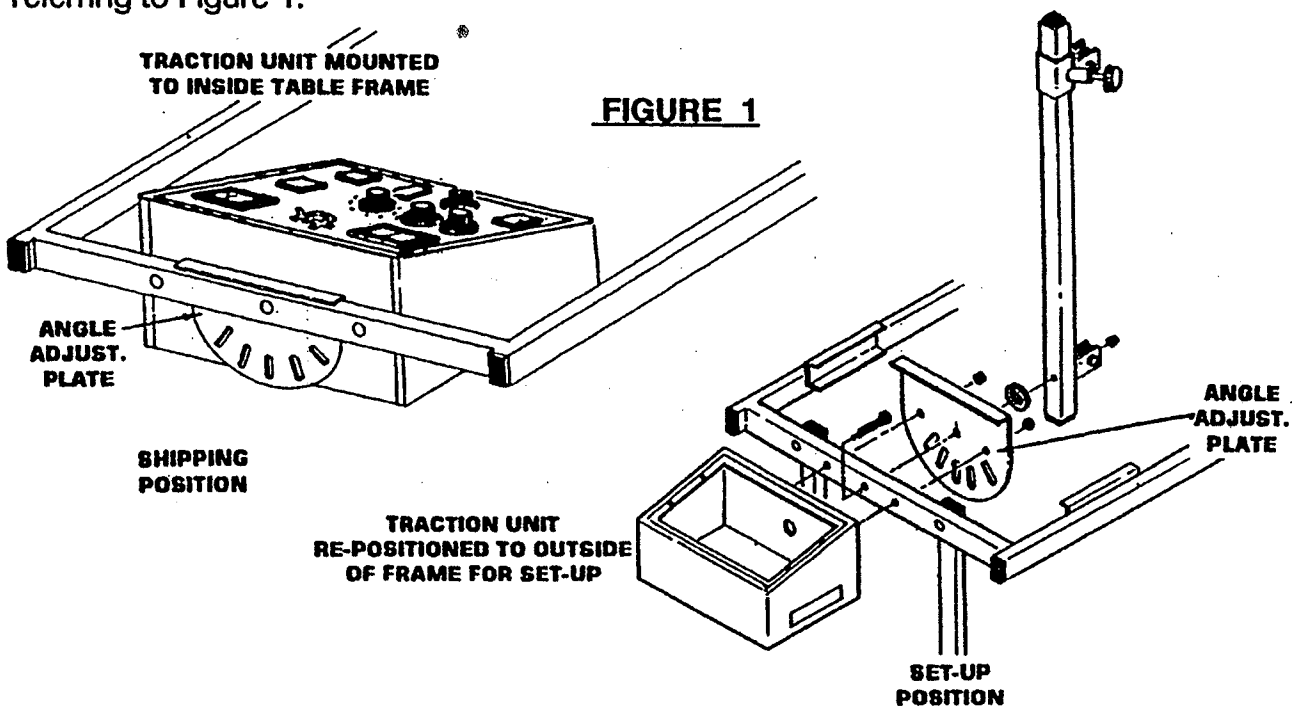
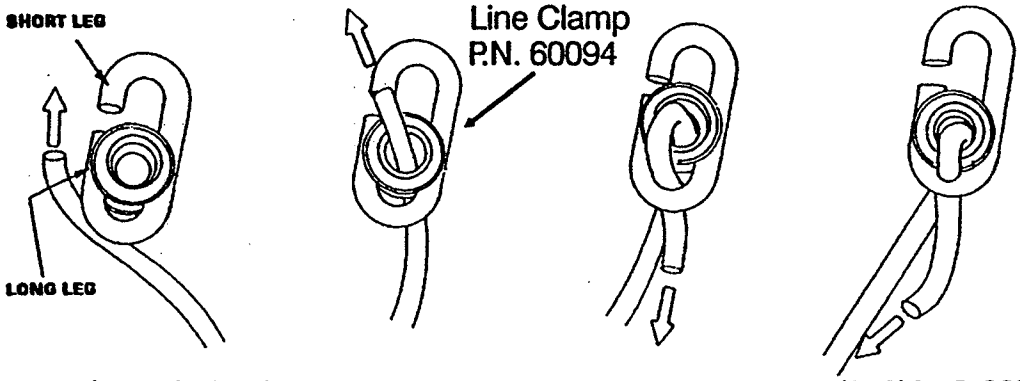

TRACTION UNIT MOUNTED TO INSIDE TABLE FRAME
ANGLE ADJUST. PLATE
SHIPPING POSITION
TRACTION UNIT RE-POSITIONED TO OUTSIDE OF FRAME FOR SET-UP
ANGLE ADJUST. PLATE
SET-UP POSITION

FIGURE 1

4. Feed rope through pulleys on vertical tube. Check to see that rope pulls freely.
5. Install line clamp on rope - Refer to Figure 2.

FIGURE 2.



6. For equipment intended to be operated in the United Kingdom, 220/240V, 50-60Hz, the Mains lead should be fitted with sleeved, 13A, BS-approved mains plug, fused 5 amps and wired as follows: **BROWN** - Live; **BLUE** - Neutral; **GREEN/YELLOW** - Earth.The electrical installation of the room in which the equipment is to be used should comply with the regulations for the electrical equipment of buildings, published by the Institution of Electrical Engineers.

SYMBOLS(Where applicable):

ATTENTION: Consult accompanying documents.

Type B Equipment: An adequate degree of electrical protection against electric shock is provided, particularly regarding allowable leakage currents and reliability of earth protection.

ADJUSTMENTS

TABLE TOP:

1. The head and foot sections of the table are raised by picking up the section with both hands. The section automatically locks into place, anywhere during the lifting operation, simply by removing your hands. Each section is lowered by lifting the locking mechanism with one hand and lowering the section with the other - refer to Figure 3.

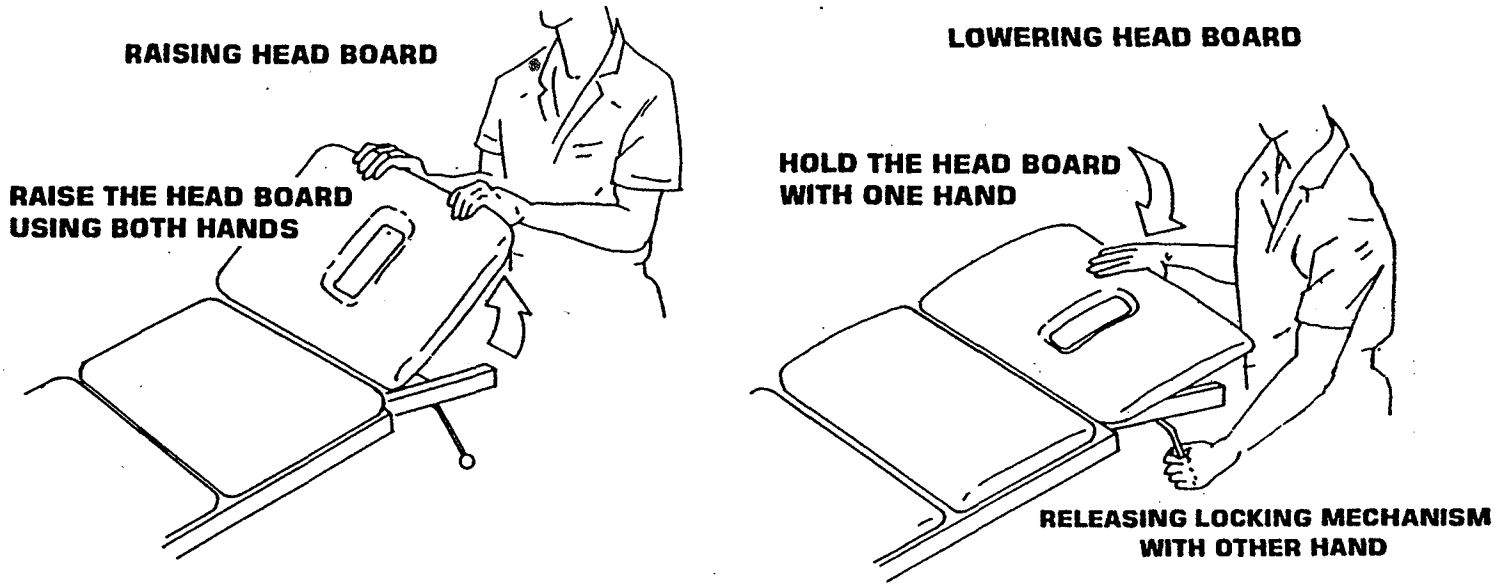

RAISING HEAD BOARD
RAISE THE HEAD BOARD USING BOTH HANDS
LOWERING HEAD BOARD
HOLD THE HEAD BOARD WITH ONE HAND
RELEASING LOCKING MECHANISM WITH OTHER HAND

Figure 3

2. The rolling section of the table is released by a Locking Bar. The Lock Bar may be reached from either side of the table. This will allow the foot section to roll freely on friction-free ball bearings - refer to Figure 4.

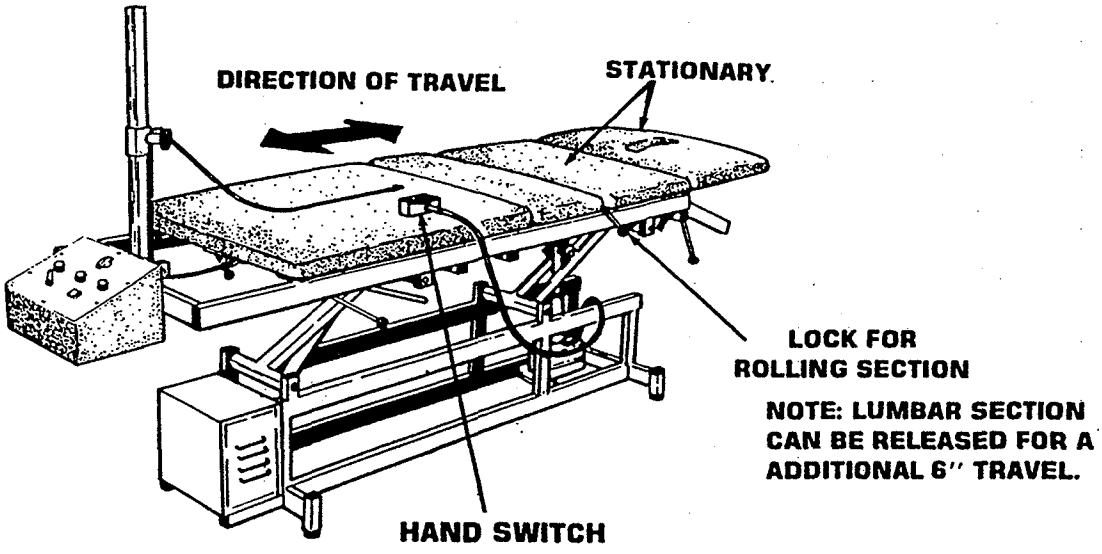

DIRECTION OF TRAVEL
STATIONARY
LOCK FOR ROLLING SECTION
NOTE: LUMBAR SECTION CAN BE RELEASED FOR A ADDITIONAL 6" TRAVEL.
HAND SWITCH

Figure 4

ADJUSTMENTS(cont.)

VERTICAL TUBE:

3. The Vertical Tube may be rotated toward either side of the table by pulling the spring-loaded Adjustment Plunger(Figure 5). The Pulling Angle Adjustment Pulley may be moved up or down the tube by loosening the knob, sliding the pulley bracket into the desired postion and tightening the knob securely.

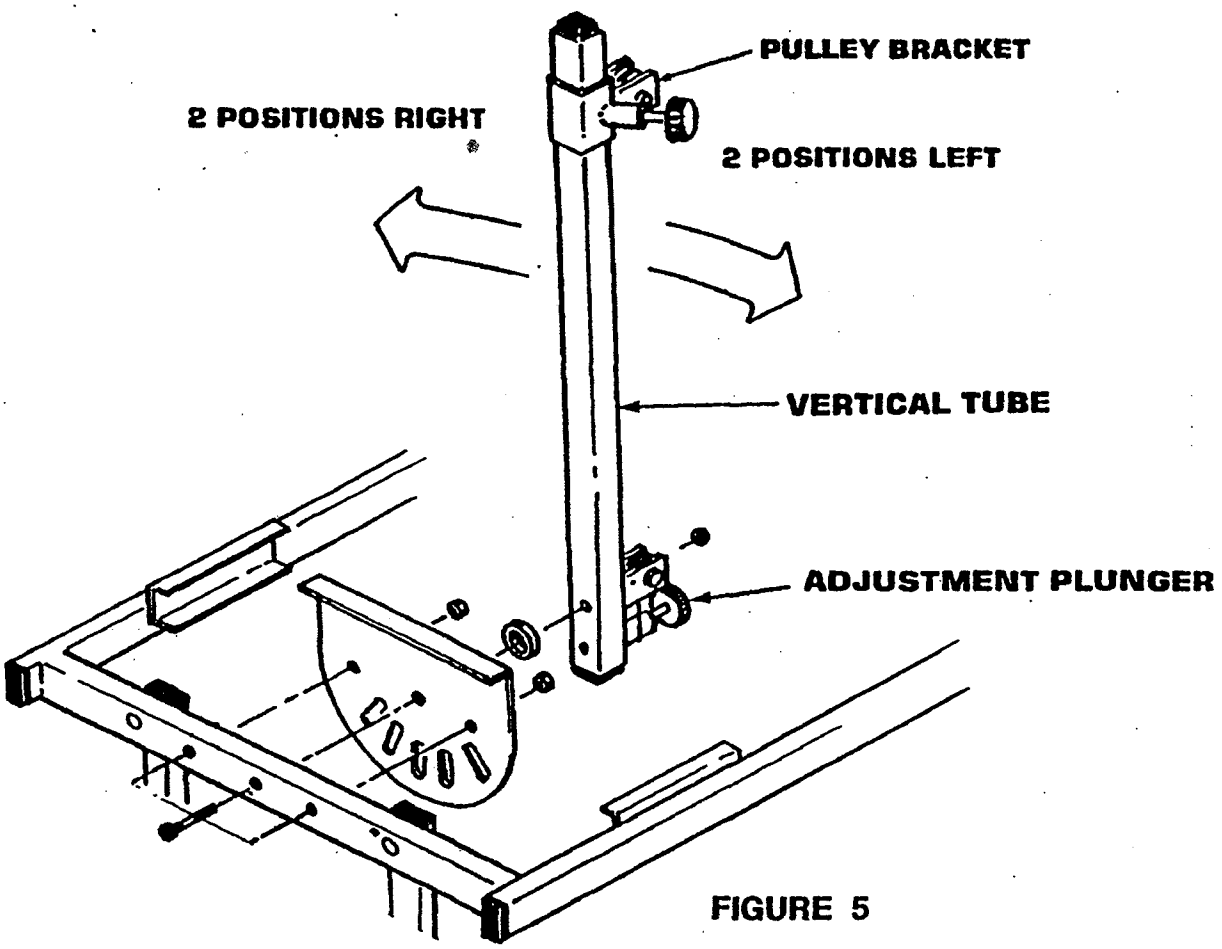
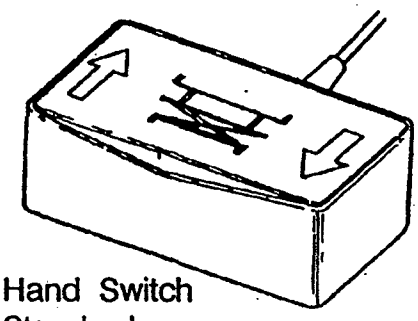


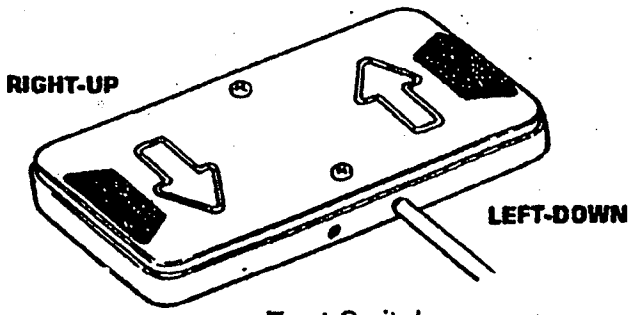
FIGURE 5

MODEL TXE-7, HEIGHT ADJUSTMENT:

4. The TXE-7 Electric Traction Table is raised or lowered by a Remote Foot Switch or Hand Switch. The Remote Switches may be located anywhere around the table but both types of switch may not be used at the same time.



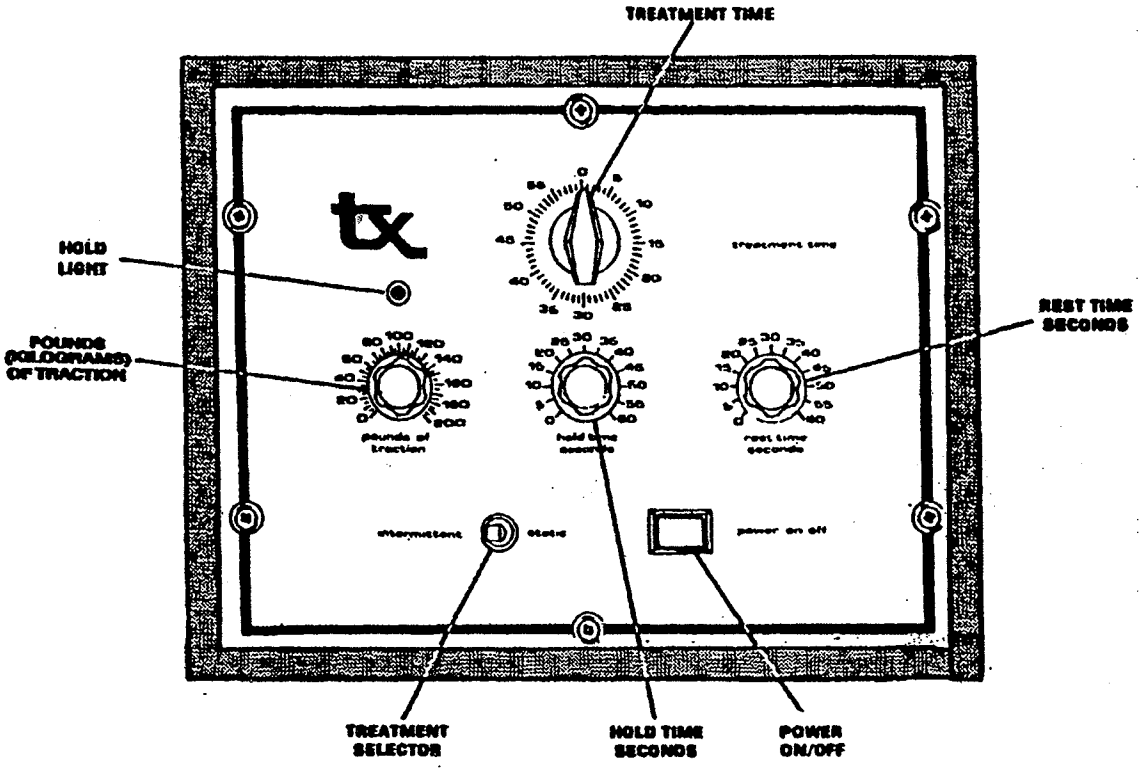
Hand Switch
Standard



Foot Switch
OPTIONAL

FIGURE 6

OPERATING CONTROLS



POWER ON/OFF: Push button in to connect Mains Power. Button should illuminate.
TREATMENT SELECTOR: Two modes of treatment:

INTERMITTENT STATIC

POUNDS(KILOGRAMS) of TRACTION: 0 to 200 Pounds(0 to 90 Kg) of traction.
HOLD TIME SECONDS: Hold time selection from 0 to 60 seconds.
REST TIME SECONDS: Rest time selection is from 0 to 60 seconds.
TREATMENT TIME MINUTES: Selector switch programs treatment time from zero(0) to sixty(60) minutes..
HOLD LED: Illuminates when selected pounds/Kilograms have been reached.

NOTE: Rest time begins when Hold cycle releases.

OPERATING PROCEDURES

The following procedures are applicable to both Models, the TXE-7 and the TXF-7.

To begin operation of the unit, use the following procedures:

1. Pull the traction rope out of the unit until the **GREEN** mark shows.

2. Secure the appropriate attachment to the patient before proceding with the traction set-up. Make sure patient is comfortable with fit. If a Chattanooga Pelvic Belt is used, it should be applied over bare skin.

3. Check to see that adjustment knobs on vertical(upright) and horizontal bar are tightened securely.

4. Release clamp and pull rope, **REMOVING ALL SLACK.**
   This is **VERY IMPORTANT**, because the rope has a limited distance of travel.

5. **Give the patient control cord to the patient (pressing the Red Button will stop traction cycle).**

6. Set the desired amount of traction - 0 to 200 pounds(0 to 90 Kgs).

7. Set the desired HOLD TIME - 0 to 60 seconds.

8. Set the desired REST TIME - 0 to 60 seconds.

9. Set desired TREATMENT TIME - 0 to 60 minutes.

NOTE: To properly set Treatment Time, turn timer dial **PAST** required time, then bring dial back to desired setting.

10. Place SELECTOR switch in the MODE of traction to be used.

11. Press the Power ON button.

12. After Power ON button is pressed, the patient should be asked to activate the patient switch to check for proper operation. Re-start the unit and proceed with the treatment. This will make the patient and physical therapist aware of this important safety feature.

NOTE: If for any reason the unit should be stopped, DO NOT ATTEMPT TO RESTART FOR 20 SECONDS.

13. Watch the unit for three or four cycles and re-adjust halter or belts if required.

14. The TX® unit will automatically stop at the end of treatment time.

MAINTENANCE

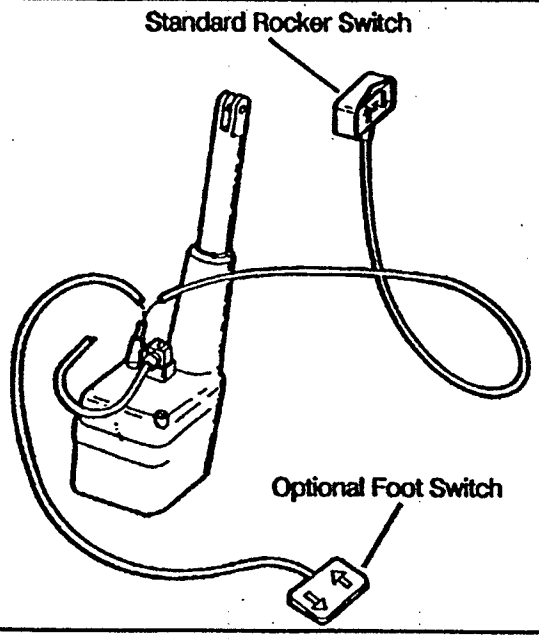
The TXE-7 and TXF-7 Traction Units require very little maintenance to keep them operating efficiently. Periodically check for Traction cord fraying, or wear of power cord. If replacement of the Traction cord is necessary, the procedure is as follows:

A) Remove back panel from unit.
B) Un-tie old Traction cord from cylinder.
C) Feed new cord through opening in top of cabinet and tie securely to cylinder.

If unit is located in an area where it is subjected to extreme amounts of moisture or humidity, the pulleys and swivel joints should be lubricated periodically with a light oil. It is recommended that all TXE-7 and TXF-7 Traction units be re-calibrated annually by an authorized servicing dealer or at the factory. It is also recommended after the repair or replacement of any major component.
If some problem should occur with these units, contact the factory at (800)592-7329.

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE
1. Unit is dead, No Lights, Compressor not running.	Unit not properly plugged in. Main fuse blown(5A).
2. Unit lights are on, Compressor not running.	Compressor defective.
3. Unit will not pull or indicate beyond a specific lbs.(Kgs) level, usually 30-50lbs. (13-1/2 to 22-1/2 Kgs.). Hold light will not come on.	Compressor. Compressor hose. Air leak.
4. Hold and/or Rest times inaccurate. **NOTE:** Rest time starts at the End of Hold Cycle.	Panel out of calibration or defective.
5. Unit is not smooth on take-up or release.	Cylinder sticking or rope binding.
6. Pull incorrect.	Panel out of calibration or defective. Rope binding or off pulley. Rope not fully extended
7. In the Intermittent mode of operation, unit will pull up, release, then won't pull up again.	Panel out of calibration or defective. Check zero adjust.
8. Unit is dead but compressor running.	Panel defective. (Check fuse on panel.)
9. Electric Motor does not work.	Make sure the motor is getting power. Check plug to see that it is securely plugged in. If plug is secure, check building circuit breaker. Check air tube from the switch to the motor. If tube is crimped or disconnected, switch will not activate the motor. Thermal cut-out may have activated. Allow motor to cool. Internal fuse may have blown.**ONLY** Qualified Service personnel should investigate.



MAINTENANCE(cont.)

The following is recommended for cleaning the vinyl upholstery of the table:

Ordinary dirt may be removed simply by washing with a mild soap and water solution. Apply solution to a large area and allow it to soak for a few minutes. Brisk rubbing with a cloth will then loosen and remove most dirt. Repeat the procedure in cases of stubborn or imbedded dirt.A soft-bristle brush may also be used. Exercise caution in using flammable cleaning solvents.

CALIBRATION PROCEDURE
MODELS TXE-7 and TXF-7

ZERO TENSION ADJUSTMENT:

1. Select STATIC mode on Front Panel.
2. Set POUNDS(KILOGRAMS) control to "0" on the Front Panel (Not fully CCW).
3. Adjust TRIMPOT R2 counterclockwise until the HOLD LED just illuminates.

SPAN ADJUSTMENT:

1. Attach a known weight of approximately 50 pounds(22-1/2 Kilograms), assuring about 1/2" of slack in the rope.
2. Select INTERMITTENT mode on the Front Panel.
3. Set HOLD time to 10 seconds.
4. Set REST time to 10 seconds.
5. Set TRACTION tension control to value of known weight.
6. Adjust TRIMPOT R6 clockwise, until the weight just lifts off the supporting surface.

NOTE: After each adjustment of R-6, allow the unit to cycle one complete time before re-adjusting.

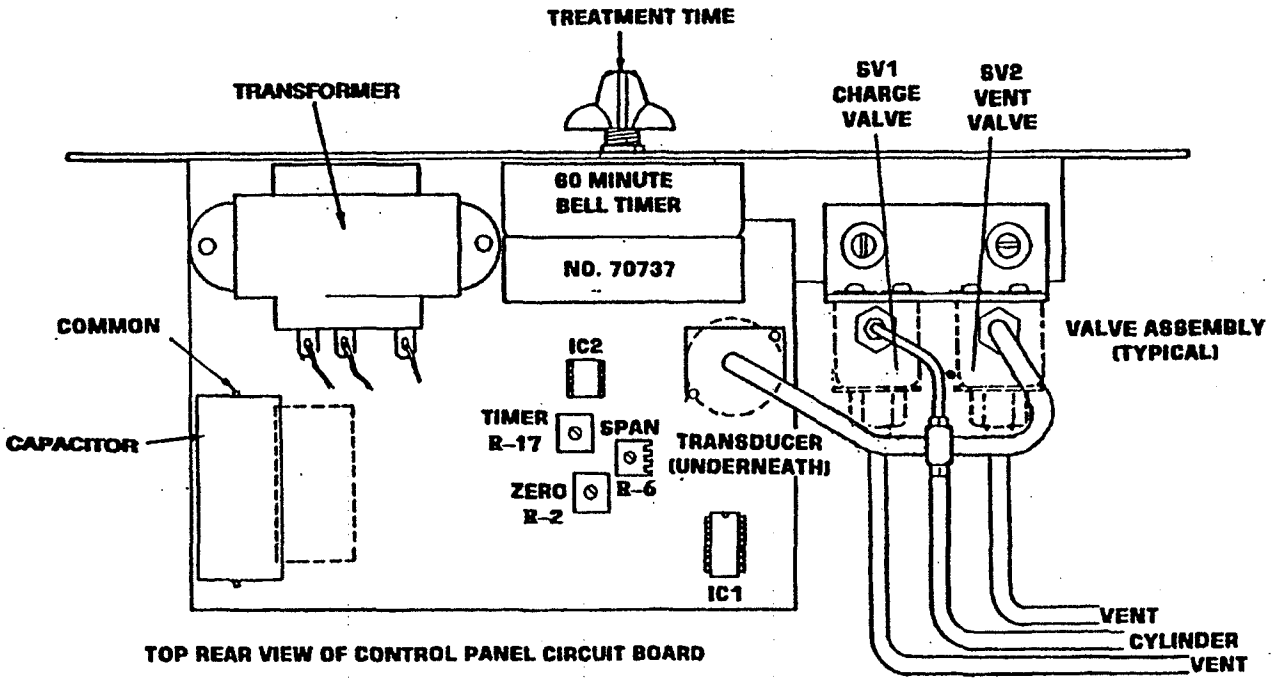
HOLD/REST TIMER ADJUSTMENT:

NOTE: COUNTERCLOCKWISE ROTATION OF THE TRIMPOTS INCREASES HOLD AND REST TIMES.

1. Set REST time knob fully counterclockwise.
2. Adjust TRIMPOT R-17 for correct HOLD time.

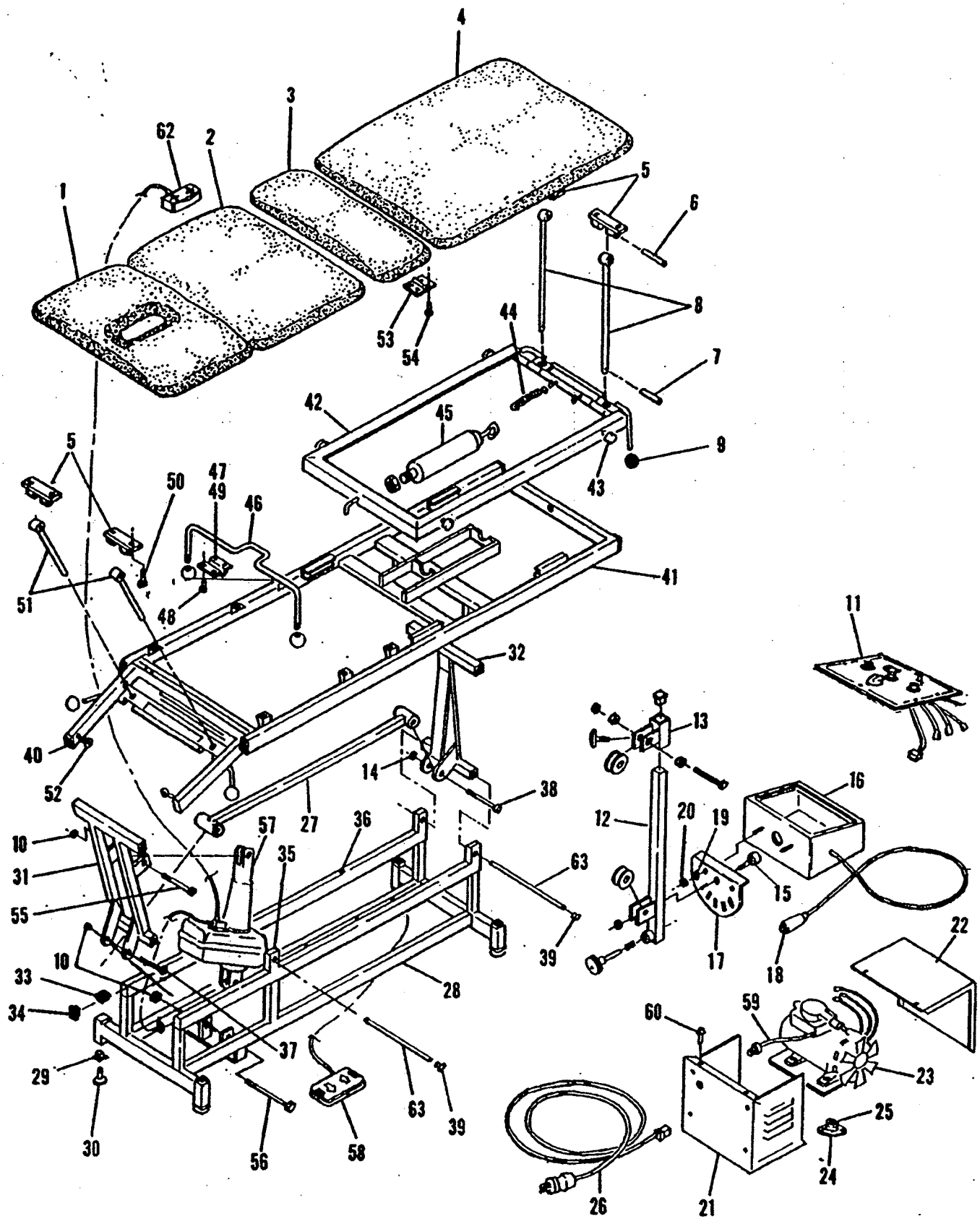
PATIENT SWITCH OPERATION:

Check operation of patient switch and verify that traction begins ramping to zero when the PATIENT SWITCH is operated.



TOP REAR VIEW OF CONTROL PANEL CIRCUIT BOARD

PARTS DRAWING - MODEL TXE-7



PARTS LIST - MODEL TXE-7

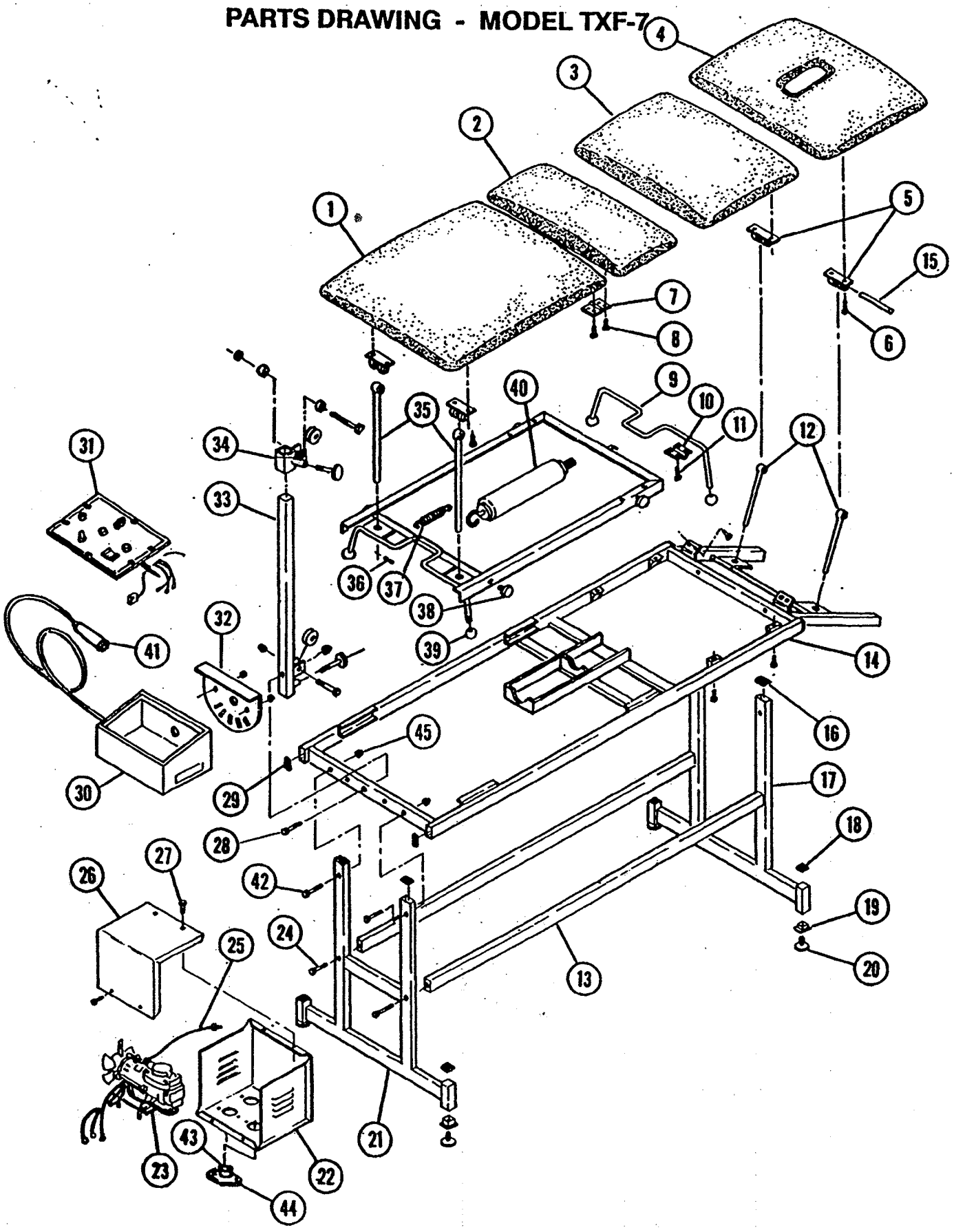
REF#	PART#	DESCRIPTION
1	60200	Nose Bd. AD/TX
2	60212	4 pc-2nd Bd.
3	60217	4 pc-Stationary Bd
4	60376	4 pc-Foot Bd
5	60330	Pivot Brkt
6	60038	Pivot Pin
7	60039	Pin Roll
8	60037	Rod TX Foot
9	60411	Plastiball Knob.
10	62197	Nut
11	71683	Analog Control Panel -lbs.- 120V
	73300	Analog Control Panel -Kgs.-220V
12	**60368**	**SUB-ASSEMBLY:** Vert. Piv. Tube/Std/29-1/2"
	64418	**SUB-ASSEMBLY:** Vert. Piv. Tube - 36"
	62384	**SUB-ASSEMBLY:** Vert. Piv. Tube - 48"
	60386	Tube - PLT - 29-1/2"
	64418	Tube - PLT - 36"
	62384	Tube - PLT - 48"
	60310	Sheave, Nylon
	60369	Plug - Black
	60370	Plunger - PLT
	60371	Spring Plunger - PLT
	60737	Knob 1/4-20
	63985	Nut 10-24 Flex
	64149	Shldr. Bolt 1/4 x 3/4
13	**60309**	**SUB-ASSEMBLY:** Adj. Pulley Brkt.
	60404	Pulley Brkt-PLT
	60310	Sheave, Nylon
	60313	Knob
	63724	Shldr. Bolt 1/4 x 1-1/4
	63985	Nut 10-24 Flex
	61937	Bushing S/S
14	60023	Nut 3/8-16 Flex
15	64145	Shoulder Bolt
16	60402	Box, Control Panel
17	60035	TX Pivot Brkt.
18	60081	Patient Cord
19	21388	Washer -1/4"
20	60757	Nut, 1/4-20 Acorn
21	60025	Comp. Box Bottom
22	60026	Comp. Box Top
23	64342	Comp. w/Plate, 120V
	64343	Comp. w/Plate, 220/240V
24	60748	Comp. Mount
25	60660	Collar
26	60157	Power Cord, 120V
	60662	Cord Set, 220/240V
27	64794	Control Rod
28	63256	Base Elec. PNT
29	60006	Glide Leveler Sq.
30	60007	Glide Leveler Stem.
31	63267	Arm Control, Elec
32	60002	Arm Control Rear
33	60008	Plug
34	60695	Plug
35	60009	Plug .
36	60014	Rubber Bumper
37	64146	Shldr. Bolt
38	64144	Shldr. Bolt
39	60010	Plug
40	60011	Plug
41	60033	Top, TX Hi-Lo
42	60362	Inner Frame AD/TX
43	60363	Bearing
44	64413	Spring
45	60664	Cylinder
46	60410	Rod Lock Bar
47	60417	Brkt. Lock Dev.
48	60812	Screw
49	60418	Clip, Spring Steel
50	60416	Screw
51	60036	Rod, Elev. Nose
52	60414	Eye Bolt
53	60034	Hinge
54	60016	Screw
55	62433	Shldr. Bolt
56	62198	Shldr. Bolt
57	63832	Motor, 120V
	63833	Motor, 220/240V
58	62358	Foot Switch(option)
59	60700	Tube
60	61671	Screw
61	60660	Collar Snubbing
62	62357	Hand Switch(Std.)
63	60420	Rod

Timer, Bell
60 min
PN 70737
$176.80

NOT SHOWN:

70147	Transformer(120V)
70745	Transformer(220V)
70095	Fuse .3A SloBlo(120V
72734	Fuse Holder(120V)
72732	Fuse Carrier(120V)
60087	Fuse 5A SloBlo(120)
63255	Recp. Dbl. Fuse(220
73426	Fuse Carrier(220V)
71932	Fuse 2.5A Anti-Surge (220/240V)

PARTS DRAWING - MODEL TXF-7



PARTS LIST - MODEL TXF-7

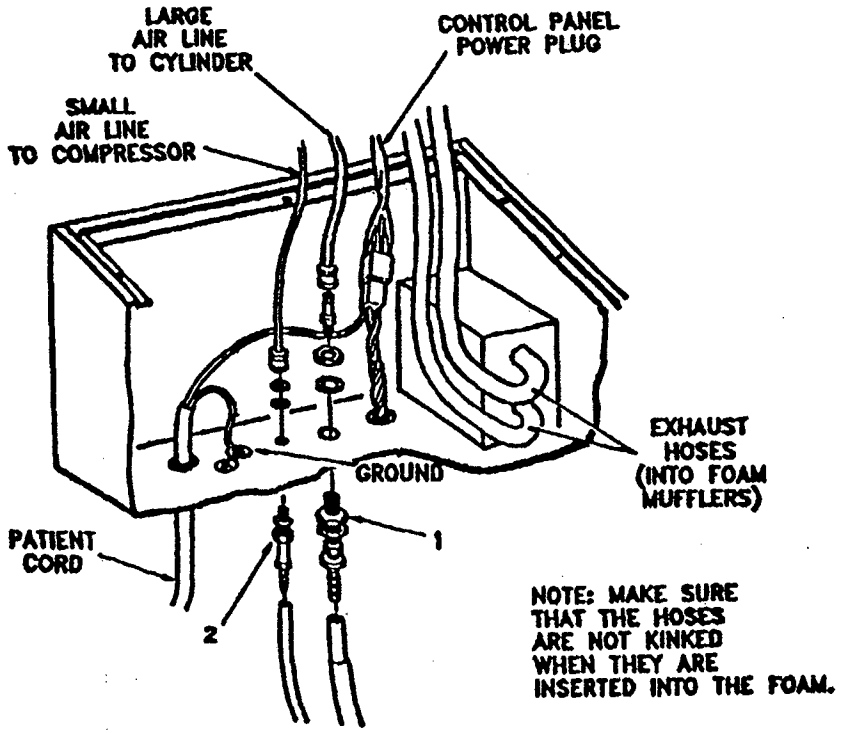
REF#	PART#	DESCRIPTION
1	60376	4 pc-Foot Bd.
2	60217	4 pc-Stationary Bd.
3	60212	4 pc. 2nd Bd.
4	60200	Nose Bd. AD/TX
5	60330	Pivot Brkt.
6	60416	Screw
7	60034	Hinge
8	60016	Screw
9	60410	Rod Lock Bar
10	60417	Rod Bracket
11	60812	Screw
12	60036	Rod Elev. Nose
13	63025	Brace Tube
14	63030	Top TX Fixed
15	60038	Pivot Pin
16	60009	Plug
17	64546	Leg Head
18	60008	Plug
19	60006	Glide Leveler Sq.
20	60007	Glide Leveler Stem
21	64544	Leg - Foot TX
22	60025	Comp. Box Bottom
23	64342	Compressor w/Plate(120V)
	64343	Compressor w/Plate(220/240V)
24	60840	Screw
25	60700	Tube
26	60026	Comp. Box Top
27	61671	Screw
28	64145	Screw
29	60695	Plug
30	60402	Box - Control Panel
31	71683	Analog Control Panel-lbs.-120V
	73300	Analog Control Panel-Kgs.-220V
32	60035	TX Pivot Bracket
NOT SHOWN:		
	70147	Transformer(120V)
	70745	Transformer(220/240V)
	70095	Fuse 0.3A SloBlo(120V)
	71766	Fuse 250ma Anti-Surge (220/240V)
	72734	Fuse Holder(120V)
	72732	Fuse Carrier(120V)
	60087	Fuse 5A SloBlo(120)
	63255	Recep. Dbl. Fuse(220V)
	73426	Fuse Carrier(220V)
	71932	Fuse 2.5A Anti-Surge(220/240V)
	60094	Line Clamp(See page 5)

REF#	PART#	DESCRIPTION
33	**60368**	**Sub-Assembly**
		Vertical Pivot Tube
	60310	Sheave ,Nylon
	60365	Tube, - Plt
	60369	Plug - Black
	60370	Plunger - PLT
	60371	Spring Plunger - PLT
	60737	Knob
	63985	Nut
	64149	Bolt
34	**60309**	**Sub-Assembly**
		Adj. Pulley Bracket
	60404	Pulley Brkt - Plt
	60310	Sheave, Nylon
	60313	Knob
	63724	Bolt, Shoulder
	63985	Nut 10-24 Flex
	61937	Bushing S/S
35	60037	Rod TX Foot
36	60039	Pin, Roll
37	64413	Spring
38	60363	Bearing
39	60411	Plastiball Knob
40	60664	Cylinder
41	60081	Patient Cord
42	64142	Screw
43	60660	Collar Snubbing
44	60748	Comp. Mount
45	60023	Nut
	61661	Control Panel Screw
	60079	Cont. Panel Washer

REMOVAL & REPLACEMENT OF CONTROL PANEL

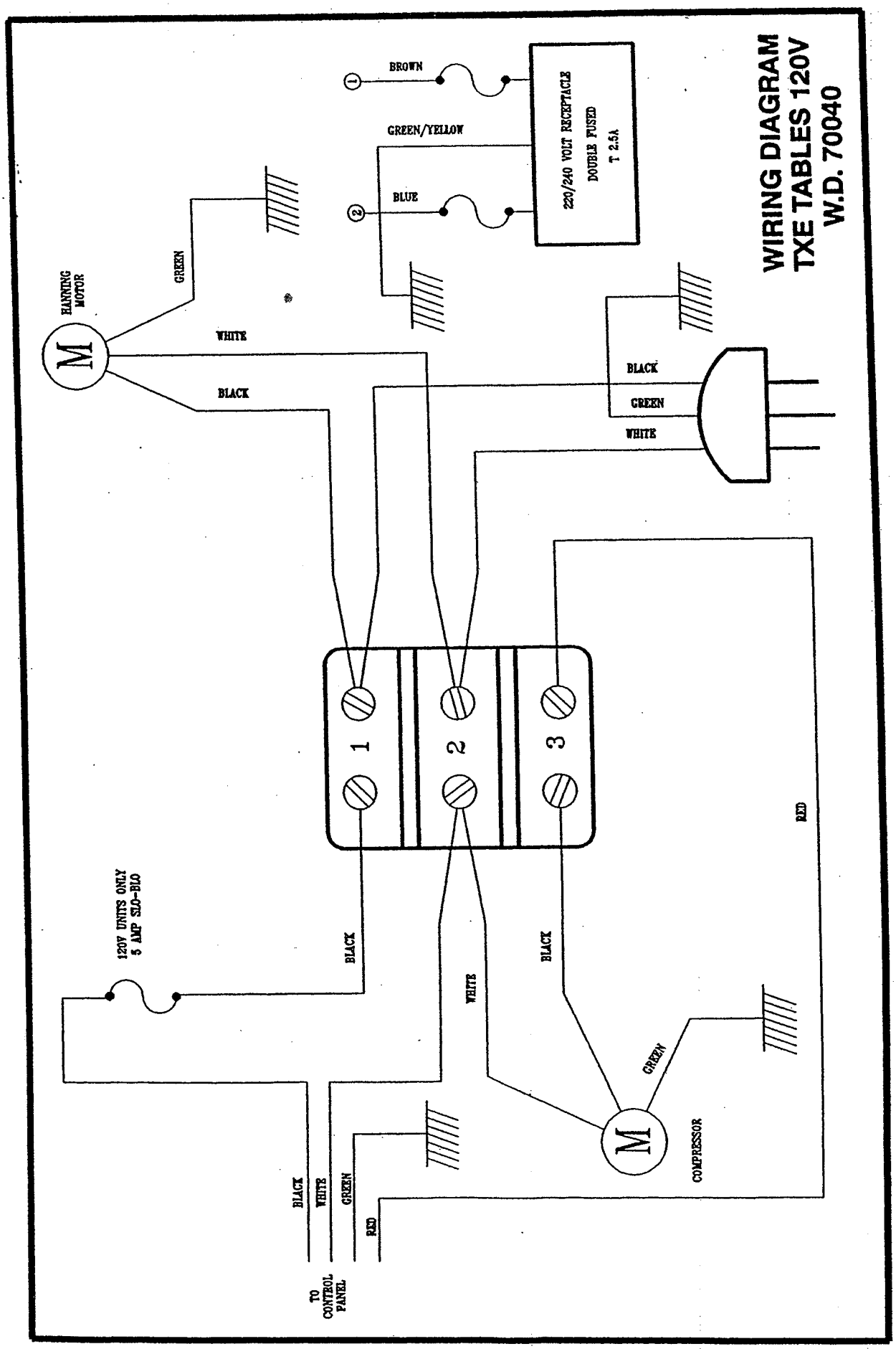
Should it be necessary to change the TX® series Control Panel, use the following procedure:

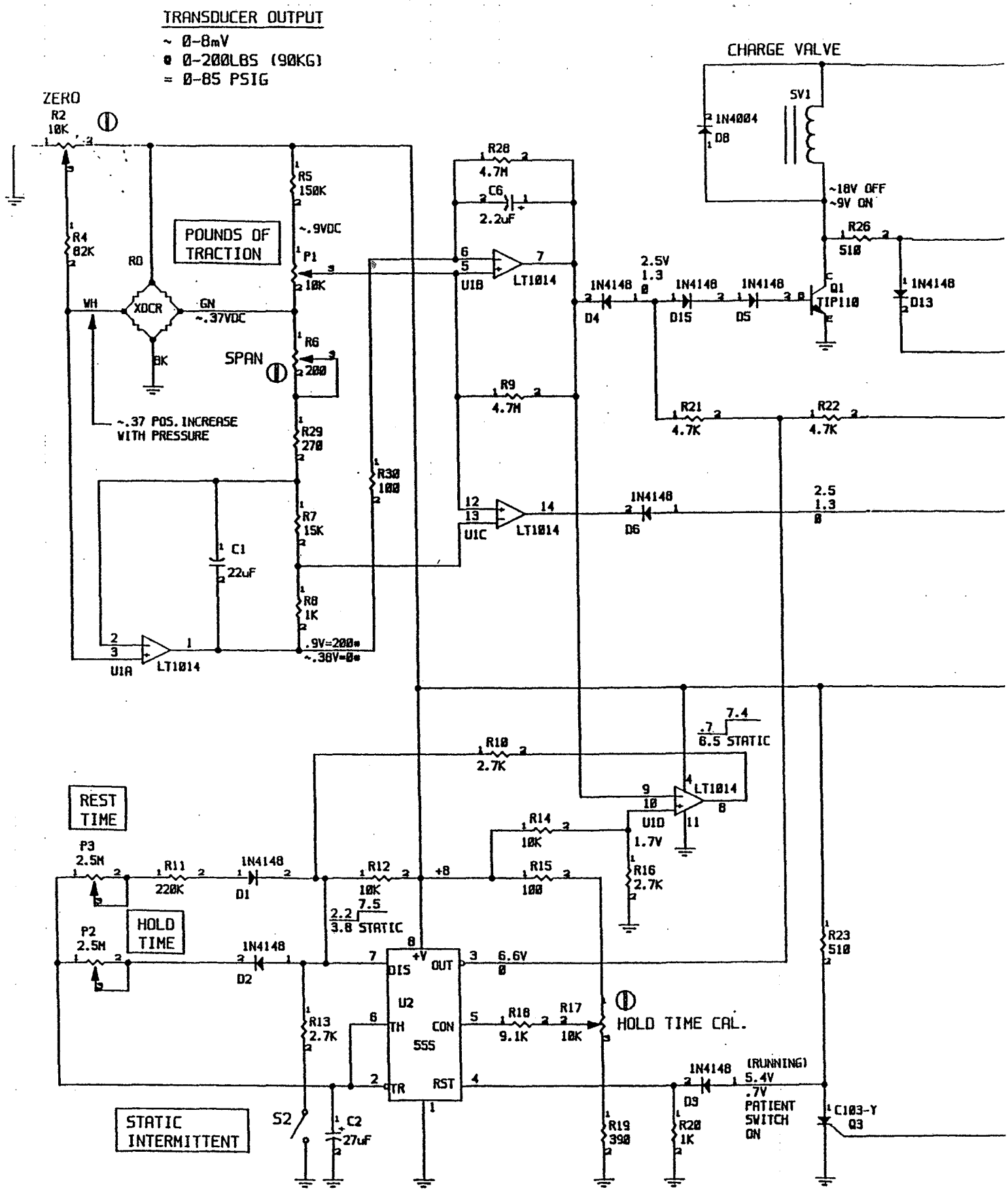
1. Make sure the unit is dis-connected from the power source.
2. Remove screws from the control panel.
3. Remove the two(2) exhaust hoses from the foam muffler, the large air line from the cylinder fitting and the small air line from the compressor.
4. Dis-connect the Control Panel Power Plug.
5. Remove the Control Panel from the unit.
6. To re-install, reverse the procedure.
7. Perform calibration procedure.

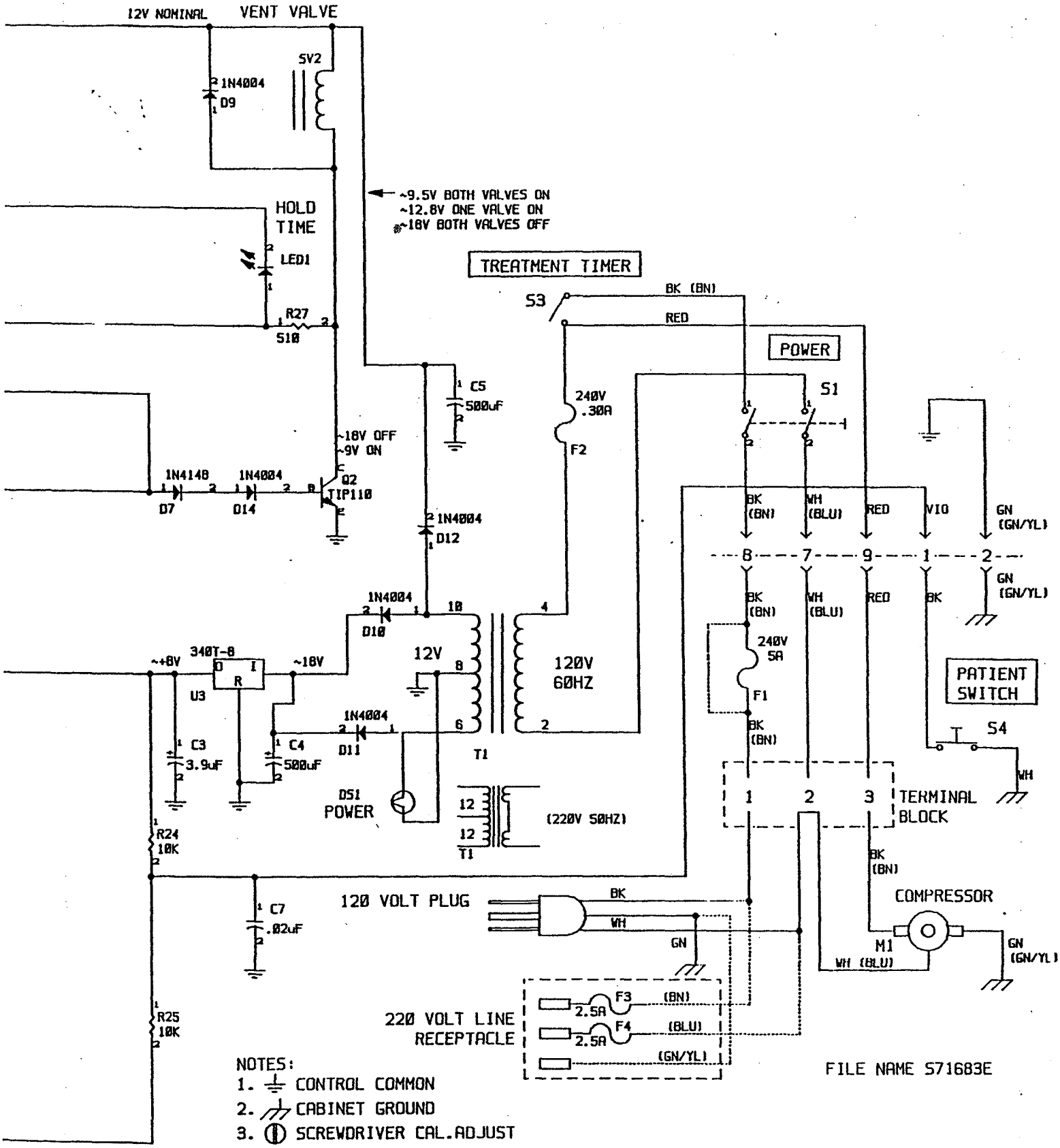

LARGE AIR LINE TO CYLINDER
CONTROL PANEL POWER PLUG
SMALL AIR LINE TO COMPRESSOR
EXHAUST HOSES (INTO FOAM MUFFLERS)
GROUND
PATIENT CORD
1
2
NOTE: MAKE SURE THAT THE HOSES ARE NOT KINKED WHEN THEY ARE INSERTED INTO THE FOAM.

COMMON PARTS: TXE-7 and TXF-7

REF#	PART#	DESCRIPTION
1	60064	CONNECTOR
2	60065	CONNECTOR


WIRING DIAGRAM
TXE TABLES 120V
W.D. 70040
BROWN
GREEN/YELLOW
BLUE
220/240 VOLT RECEPTACLE
DOUBLE FUSED
T 2.5A
HANNING MOTOR
GREEN
WHITE
BLACK
BLACK
GREEN
WHITE
1
2
3
120V UNITS ONLY
5 AMP SLO-BLO
BLACK
WHITE
BLACK
RED
GREEN
COMPRESSOR
BLACK
WHITE
GREEN
RED
TO CONTROL PANEL


TRANSDUCER OUTPUT
~ 0-8mV
0-200LBS (90KG)
= 0-85 PSIG
ZERO
R2
10K
R4
82K
R5
150K
~.9VDC
POUNDS OF TRACTION
P1
10K
RO
XDCR
WH
GN
~.37VDC
8K
SPAN
R6
200
~.37 POS. INCREASE WITH PRESSURE
R29
270
R30
100
R7
15K
C1
22uF
R8
1K
.9V=200#
~.38V=0#
U1A
LT1014
R28
4.7M
C6
2.2uF
U1B
LT1014
R9
4.7M
U1C
LT1014
CHARGE VALVE
SV1
1N4004
D8
~18V OFF
~9V ON
R26
510
1N4148
D13
Q1
TIP110
1N4148
D4
1N4148
D15
1N4148
D5
2.5V
1.3
0
R21
4.7K
R22
4.7K
1N4148
D6
2.5
1.3
0
7.4
.7
6.5 STATIC
R10
2.7K
U1D
LT1014
R14
10K
R16
2.7K
1.7V
REST TIME
P3
2.5M
R11
220K
1N4148
D1
R12
10K
7.5
2.2
3.8 STATIC
+8
R15
100
HOLD TIME
P2
2.5M
1N4148
D2
U2
555
+V
DIS
OUT
6.6V
0
TH
CON
R18
9.1K
R17
10K
HOLD TIME CAL.
TR
RST
R13
2.7K
S2
C2
27uF
STATIC INTERMITTENT
R19
390
1N4148
D9
R20
1K
(RUNNING)
5.4V
.7V
PATIENT SWITCH ON
C103-Y
Q3
R23
510

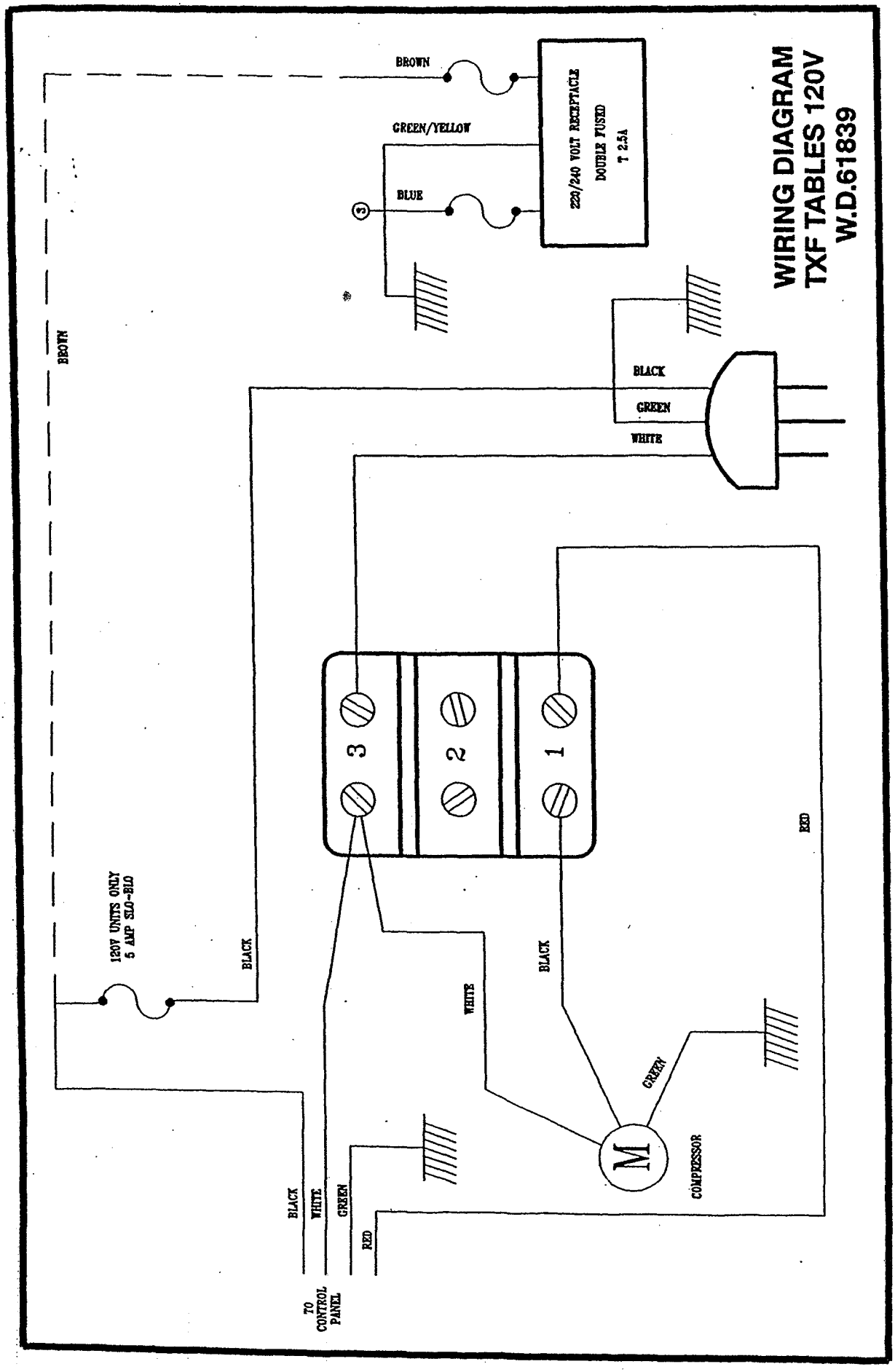


NOTES:

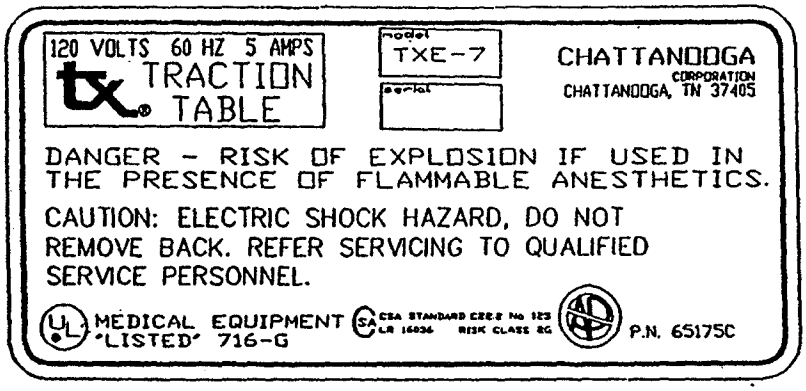
1. ⏚ CONTROL COMMON
2. ⏚ CABINET GROUND
3. Ⓘ SCREWDRIVER CAL.ADJUST
4. VOLTAGES MEASURED WITH DVM 1MEG. INPUT Z.
5. 220 VOLT WIRING IN DOTTED LINES AND 220 VOLT NOTES IN PARENTHESIS.

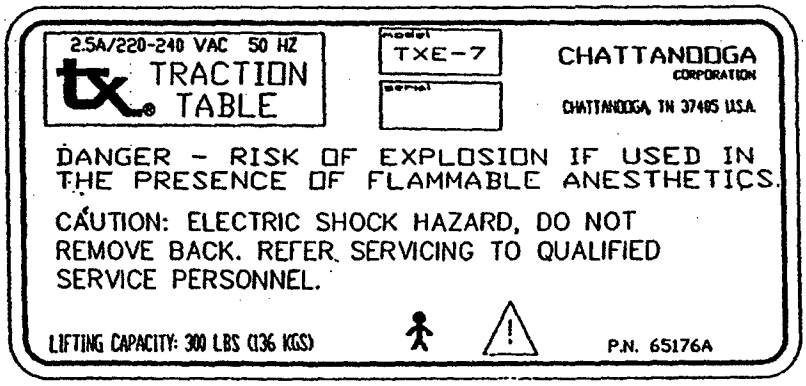
FILE NAME S71683E

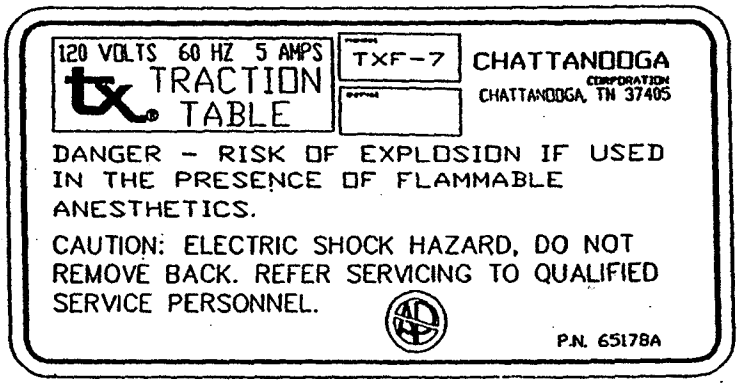
TX-7, TX-8
SCHEMATIC
TRACTION CONTROLLER

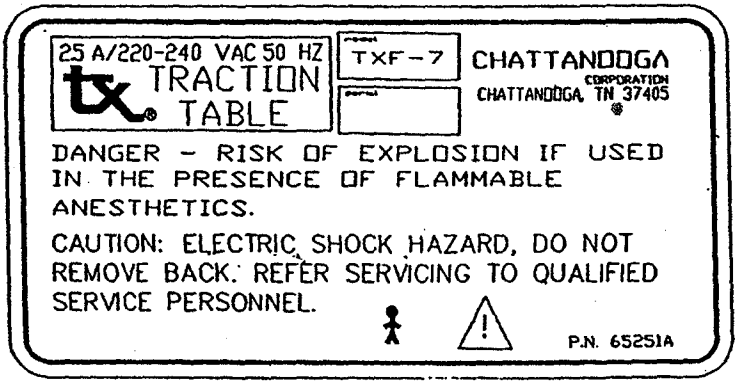

WIRING DIAGRAM
TXF TABLES 120V
W.D.61839
BROWN
GREEN/YELLOW
BLUE
220/240 VOLT RECEPTACLE
DOUBLE FUSED
T 2.5A
BROWN
BLACK
GREEN
WHITE
120V UNITS ONLY
5 AMP SLO-BLO
BLACK
3
2
1
RED
WHITE
BLACK
GREEN
M
COMPRESSOR
BLACK
WHITE
GREEN
RED
TO
CONTROL
PANEL

PANEL DESIGNATIONS




2.5A/220-240 VAC 50 HZ
tx TRACTION TABLE
model
TXE-7
serial
CHATTANOOGA
CORPORATION
CHATTANOOGA, TN 37405 U.S.A.
DANGER - RISK OF EXPLOSION IF USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS.
CAUTION: ELECTRIC SHOCK HAZARD, DO NOT REMOVE BACK. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
LIFTING CAPACITY: 300 LBS (136 KGS)
P.N. 65176A


120 VOLTS 60 HZ 5 AMPS
tx TRACTION TABLE
model
TXF-7
serial
CHATTANOOGA
CORPORATION
CHATTANOOGA, TN 37405
DANGER - RISK OF EXPLOSION IF USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS.
CAUTION: ELECTRIC SHOCK HAZARD, DO NOT REMOVE BACK. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
P.N. 65178A


25 A/220-240 VAC 50 HZ
tx TRACTION TABLE
model
TXF-7
serial
CHATTANOOGA
CORPORATION
CHATTANOOGA, TN 37405
DANGER - RISK OF EXPLOSION IF USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS.
CAUTION: ELECTRIC SHOCK HAZARD, DO NOT REMOVE BACK. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
P.N. 65251A